GenCore version 5.1.3

OM nucleic - nucleic search, using sw model

Run on: November 30, 2002, 10:11:38 ; Search time 77 Seconds
(without alignments)
11016.467 Million cell updates/sec

Title: US-10-054-680-1
Perfect score: 2766
Sequence: 1 atggcgtggttaaggttgca.....gctacatcaaggggttctaa 2766

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	78.8	2.8	7218	1	US-08-232-463-14	Sequence 14, Appl
	2	51.6	1.9	7218	1	US-08-232-463-14	Sequence 14, Appl
c	3	50.2	1.8	390	4	US-09-197-649-7	Sequence 7, Appli
c	4	44.2	1.6	4403765	4	US-09-103-840A-2	Sequence 2, Appli
	5	40.2	1.5	1174	3	US-09-034-985-1	Sequence 1, Appli
	6	39.6	1.4	3431	4	US-09-221-017B-993	Sequence 993, App
	7	39	1.4	1926	4	US-09-249-585A-4	Sequence 4, Appli
	8	39	1.4	1931	2	US-09-130-114-2	Sequence 2, Appli
c	9	38.6	1.4	1548	2	US-08-762-106-5	Sequence 5, Appli
c	10	38.6	1.4	1548	4	US-09-320-774-5	Sequence 5, Appli
c	11	38.6	1.4	1581	2	US-08-762-106-6	Sequence 6, Appli
c	12	38.6	1.4	1581	4	US-09-320-774-6	Sequence 6, Appli
c	13	38.4	1.4	2777	4	US-09-310-463-3	Sequence 3, Appli
c	14	38.4	1.4	2777	4	US-08-842-248A-3	Sequence 3, Appli
	15	38.4	1.4	50937	4	US-09-428-517-1	Sequence 1, Appli
c	16	38.2	1.4	289	4	US-09-007-005-17	Sequence 17, Appl
c	17	38.2	1.4	289	4	US-09-244-796-17	Sequence 17, Appl
	18	37.4	1.4	1734	6	5352575-8	Patent No. 5352575
c	19	37	1.3	1890	3	US-08-935-855-19	Sequence 19, Appl
	20	37	1.3	2194	2	US-08-948-569A-9	Sequence 9, Appli
	21	37	1.3	2194	2	US-09-188-469-9	Sequence 9, Appli
	22	37	1.3	2194	4	US-09-397-238A-9	Sequence 9, Appli
c	23	36.8	1.3	2790	3	US-08-985-950-21	Sequence 21, Appl
c	24	36.8	1.3	2922	4	US-09-310-463-1	Sequence 1, Appli
c	25	36.8	1.3	2922	4	US-08-842-248A-1	Sequence 1, Appli
	26	36.6	1.3	289	4	US-09-007-005-17	Sequence 17, Appl
	27	36.6	1.3	289	4	US-09-244-796-17	Sequence 17, Appl
	28	36.2	1.3	4403765	4	US-09-103-840A-2	Sequence 2, Appli
	29	36	1.3	1365	4	US-09-319-892-1	Sequence 1, Appli
c	30	36	1.3	2518	4	US-09-433-699-3	Sequence 3, Appli
	31	36	1.3	3078	4	US-09-418-817-9	Sequence 9, Appli
	32	36	1.3	6217	4	US-09-418-817-1	Sequence 1, Appli
	33	35.8	1.3	2539	3	US-09-000-016-3	Sequence 3, Appli
	34	35.8	1.3	2539	4	US-09-514-340-3	Sequence 3, Appli
	35	35.8	1.3	2809	3	US-09-000-016-1	Sequence 1, Appli
	36	35.8	1.3	2809	4	US-09-514-340-1	Sequence 1, Appli
	37	35.6	1.3	1059	4	US-09-102-204-2	Sequence 2, Appli
	38	35.6	1.3	1119	4	US-08-987-943-2	Sequence 2, Appli
	39	35.6	1.3	1755	4	US-08-987-943-1	Sequence 1, Appli
	40	35.4	1.3	1761	4	US-09-504-358-19	Sequence 19, Appl
	41	35.4	1.3	1761	4	US-09-954-314-19	Sequence 19, Appl
c	42	35.4	1.3	11471	4	US-09-504-358-16	Sequence 16, Appl
c	43	35.4	1.3	11471	4	US-09-954-314-16	Sequence 16, Appl
	44	35.2	1.3	696	4	US-09-461-697-193	Sequence 193, App
	45	35.2	1.3	699	4	US-09-461-697-191	Sequence 191, App

ALIGNMENTS

```
RESULT 1
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, F.
;    APPLICANT:  SCHEIFLINGER, F.
;    APPLICANT:  FALKNER, F. G.
;    TITLE OF INVENTION:  RECOMBINANT FOWLPOX VIRUS
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,463
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/935,313
;      FILING DATE:
;      APPLICATION NUMBER:  EP 91 114 300.6
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/114 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  7218 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      CLONE:  pTZgpt-F1s
US-08-232-463-14

  Query Match                 2.8%;  Score 78.8;  DB 1;  Length 7218;
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  Best Local Similarity   3.8%;  Pred. No. 4.4e-12;
  Matches   14;  Conservative  231;  Mismatches  123;  Indels    0;  Gaps    0;

Qy    1678 GGTACAGTCATCGTCCCCTTTAGGACAGTAGAAGGGACAGCCAAGGGTGGCGGTGAGGAC 1737
           | || ||  || |     ||| | ||:: :::::::: ::  ::::: :: :: ::::: 
Db    1460 GTTAAAGAGATAGAAGAATTTGGTACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1401

Qy    1738 TTTGAAGACACATATGGGGAGTTGGAATTCAAGAATGATGAAACTGTGAAAACCATAAGG 1797
             ::::: : : : ::::::  ::::   ::::: :: ::::  : :::::  : ::::  
Db    1400 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1341

Qy    1798 GTTAAAATAGTAGATGAGGAGGAATACGAAAGGCAAGAGAATTTCTTCATTGCCCTTGGT 1857
           :  :::: :: ::: ::::::::: : :::::: :::::::      :  :      ::  
Db    1340 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1281

Qy    1858 GAACCGAAATGGATGGAACGTGGAATATCAGATGTGACAGACAGGAAGCTGACTATGGAA 1917
           :::  :::: ::: :::: : :::: :  ::: : :: ::: ::::::  ::  : ::::  
Db    1280 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1221

Qy    1918 GAAGAGGAGGCCAAGAGGATAGCAGAGATGGGAAAGCCAGTATTGGGTGAACACCCCAAA 1977
           ::::::::::  ::::::: :: ::::: :::::::  :: :  ::: ::: :    :::  
Db    1220 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1161

Qy    1978 CTAGAAGTCATCATTGAAGAGTCCTATGAGTTCAAGACTACGGTGGACAAACTGATCAAG 2037
             :::::  :  :  ::::::    : :::   ::::  : :: ::: :::  ::  :::  
Db    1160 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1101

Qy    2038 AAGACAAA 2045
           :::: :::  
Db    1100 RRRRRRRR 1093


RESULT 2
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, F.
;    APPLICANT:  SCHEIFLINGER, F.
;    APPLICANT:  FALKNER, F. G.
;    TITLE OF INVENTION:  RECOMBINANT FOWLPOX VIRUS
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/232,463
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/935,313
;      FILING DATE:
;      APPLICATION NUMBER:  EP 91 114 300.6
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/114 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  7218 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      CLONE:  pTZgpt-F1s
US-08-232-463-14

  Query Match             1.9%;  Score 51.6;  DB 1;  Length 7218;
  Best Local Similarity   5.9%;  Pred. No. 0.00027;
  Matches   24;  Conservative  215;  Mismatches  169;  Indels    0;  Gaps    0;

Qy     395 CTGTCTCCAACCTGACCCTTATGGCCCTGGGTTCCTCTGCTCCTGAGATACTCCTCTCTT 454
           :: :::::  :::  ::::: :  ::::   ::::::: ::::    : ::::::::::  
Db    1078 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1137

Qy     455 TAATTGAGGTGTGTGGTCATGGGTTCATTGCTGGTGATCTGGGACCTTCTACCATTGTAG 514
           :  ::    : : :  :: :   ::: :: ::  :  :::    :::::: :: :: :  
Db    1138 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1197

Qy     515 GGAGTGCAGCCTTCAACATGTTCATCATCATTGGCATCTGTGTCTACGTGATCCCAGACG 574
             : :  :::::  : : ::: :: :: ::  : ::: : ::: : :  :::: :     
Db    1198 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1257

Qy     575 GAGAGACTCGCAAGATCAAGCATCTACGAGTCTTCTTCATCACCGCTGCTTGGAGTATCT 634
               ::: :    ::   : ::: :   :::::::: :: :: :: :::    : :::  
Db    1258 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1317

Qy     635 TTGCCTACATCTGGCTCTATATGATTCTGGCAGTCTTCTCCCCTGGTGTGGTCCAGGTTT 694
           :: ::: : :::  :::: : :  ::::  :  ::::::::::::  : :  :::   ::: 
Db    1318 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1377

Qy     695 GGGAAGGCCTCCTCACTCTCTTCTTCTTTCCAGTGTGTGTCCTTCTGGCCTGGGTGGCAG 754
             ::::::: ::::::::::::::::  : : : :::::::  :::   :          
Db    1378 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYGTA 1437

Qy     755 ATAAACGACTGCTCTTCTACAAATACATGCACAAAAAGTACCGCACAG 802
             |||    |     |||  || ||| |||| | | ||      ||||  
Db    1438 CCAAATTCTTCTATCTCTTTAACTACTTGCATAGATAGGTAATTACAG 1485


RESULT 3
US-09-197-649-7/c
; Sequence 7, Application US/09197649
; Patent No. 6194550
; GENERAL INFORMATION:
;  APPLICANT: Gold, Larry
;  APPLICANT: Tuerk, Craig
;  APPLICANT: Pribnow, David
;  APPLICANT: Smith, Jonathan D.
;  TITLE OF INVENTION: Systematic Polypeptide Evolution by Reverse Translation
;  FILE REFERENCE: NEX02/C1-CON
;  CURRENT APPLICATION NUMBER: US/09/197,649
;  CURRENT FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: 07/829,461
;  EARLIER FILING DATE: 1992-01-31
;  EARLIER APPLICATION NUMBER: 07/739,055
;  EARLIER FILING DATE: 1991-08-01
;  EARLIER APPLICATION NUMBER: 07/561,968
;  EARLIER FILING DATE: 1990-08-02
;  NUMBER OF SEQ ID NOS: 26
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 390
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Sequence
;   OTHER INFORMATION: having a 120 repeat of ACG flanked by fixed
;   OTHER INFORMATION: fragments having NcoI restriction sites.
US-09-197-649-7

  Query Match             1.8%;  Score 50.2;  DB 4;  Length 390;
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  Best Local Similarity   46.0%;  Pred. No. 0.00013;
  Matches  169;  Conservative    0;  Mismatches  198;  Indels    0;  Gaps    0;

Qy   2238 CCACGGCTGGGCCTGCTTCGCCGTCTCCATCCTCATCATTGGCATGCTCACCGCCATCAT 2297
          ||| |||   | |  | ||| ||||  | || || || | | | |  ||  || | || |
Db    375 CCATGGCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGT 316

Qy   2298 TGGGGACCTGGCCTCGCACTTCGGCTGCACCATTGGTCTCAAAGATTCAGTCACAGCTGT 2357
          |  | | | | |     | ||| |  |  | | |   ||   |     |||   |  ||
Db    315 CGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGT 256

Qy   2358 TGTTTTCGTGGCATTTGGCACCTCTGTCCCAGATACGTTTGCCAGCAAAGCTGCTGCCCT 2417
          ||  |||| |   | | |  |   |||   |      | | |  |   |  |  | | |
Db    255 CGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGT 196

Qy   2418 CCAGGATGTATATGCAGACGCCTCCATTGGCAACGTGACGGGCAGCAACGCCGTCAATGT 2477
          |   |  ||    |  | || |  | | | |  |||    | |  |  || ||||   ||
Db    195 CGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGT 136

Qy   2478 CTTCCTGGGCATCGGCCTGGCCTGGTCCGTGGCCGCCATCTACTGGGCTCTGCAGGGACA 2537
          | || | | | ||| | | | |     ||| | || | ||  |   |   |    |
Db    135 CGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGT 76

Qy   2538 GGAGTTCCACGTGTCGGCCGGCACACTGGCCTTCTCCGTCACCCTCTTCACCATCTTTGC 2597
          |   ||  |||    | || |    | | | ||  |||| | || ||  | || | |
Db     75 CGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGT 16

Qy   2598 ATTTGTC 2604
            | |||
Db     15 CGTCGTC 9


RESULT 4
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
;  APPLICANT: FLEISCHMAN, Robert D.
;  APPLICANT:  WHITE, Owen R.
;  APPLICANT:  FRASER, Claire M.
;  APPLICANT:  VENTER, John C.
;  TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
;  TITLE OF INVENTION:  TUBERCULOSIS
;  FILE REFERENCE: 24366-20007.00
;  CURRENT APPLICATION NUMBER: US/09/103,840A
;  CURRENT FILING DATE:  1998-06-24
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 4403765
;   TYPE: DNA
;   ORGANISM: Mycobacterium tuberculosis
;   FEATURE:
;   OTHER INFORMATION: CDC 1551
;   OTHER INFORMATION: "n" bases at various positions throughout the sequence
;   OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

  Query Match             1.6%;  Score 44.2;  DB 4;  Length 4403765;
  Best Local Similarity   46.3%;  Pred. No. 1.4;
  Matches  145;  Conservative    0;  Mismatches  168;  Indels    0;  Gaps    0;

Qy   2213 CCTGTGTGCCCCCCACAGAGTACTGCCACGGCTGGGCCTGCTTCGCCGTCTCCATCCTCA 2272
          |||   |  || ||   |    | ||  |||| | ||| ||| |||||   ||     |
Db 3929402 CCTCCCTTACCGCCGTTGCCGCCGGCGCCGGCGGCGCCGGCTACGCCGCTGCCGAATCCC 3929343

Qy   2273 TCATTGGCATGCTCACCGCCATCATTGGGGACCTGGCCTCGCACTTCGGCTGCACCATTG 2332
          |   | |    || ||||| ||      | |   |||| |  |  ||||  | || | |
Db 3929342 GCGCCGCCGCCTTCGCCGCCGTCCCCACCGTCACCGCCTTGGCCGCCGGCGCCGCCCTCG 3929283

Qy   2333 GTCTCAAAGATTCAGTCACAGCTGTTGTTTTCGTGGCATTTGGCACCTCTGTCCCAGATA 2392
          || | | |     | | | | |   ||    |     | ||  || | | | |
Db 3929282 CTCGCCACGCCTGTCGTTCCGTTCTGGCCGTCACCACCGGCCCCGCCGGTGCCGCCGGTG 3929223

Qy   2393 CGTTTGCCAGCAAAGCTGCTGCCCTCCAGGATGTATATGCAGACGCCTCCATTGGCAACG 2452
          |    | |  |   | ||| |||  |   |  ||    || | | || || | | |  |
Db 3929222 CCGCCGGCCCCGTTGATGCCGCCGGCGCCGGCGTTGCCGCCGGCCCCGCCTTGGCCGCCT 3929163

Qy   2453 TGACGGGCAGCAACGCCGTCAATGTCTTCCTGGGCATCGGCCTGGCCTGGTCCGTGGCCG 2512
          || | | | || | |||||    |||||    |    || |   | |      |   ||||
Db 3929162 TGGCCGCCGGCGAAGCCGTTGCCGTCTTGGGAGAGGGCGCCGCTGTCGCCGGCCCCGCCG 3929103

Qy   2513 CCATCTACTGGGC 2525
            |  |  |  |||
Db 3929102 TCGCCGCCGCGGC 3929090


RESULT 5
US-09-034-985-1
; Sequence 1, Application US/09034985
; Patent No. 6043052
;  GENERAL INFORMATION:
;    APPLICANT:  LANE, PAMELA
;    APPLICANT:  TSUI, PING
;    APPLICANT:  ELSHOURBAGY, NABIL
;    TITLE OF INVENTION:  HUMAN G-PROTEIN COUPLED RECEPTOR
;    TITLE OF INVENTION:  (GPR25)
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  RATNER & PRESTIA
;      STREET:  P.O. BOX 980
;      CITY:  VALLEY FORGE
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19482
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/034,985
;      FILING DATE:  04-MAR-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  PRESTIA, PAUL F
;      REGISTRATION NUMBER:  23,031
;      REFERENCE/DOCKET NUMBER:  GP-70412
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610-407-0700
;      TELEFAX:  610-407-0701
;      TELEX:  846169
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1174 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-034-985-1

  Query Match             1.5%;  Score 40.2;  DB 3;  Length 1174;
  Best Local Similarity   53.5%;  Pred. No. 0.18;
  Matches   84;  Conservative    0;  Mismatches   73;  Indels    0;  Gaps    0;

Qy   2563 CTGGCCTTCTCCGTCACCCTCTTCACCATCTTTGCATTTGTCTGCATCAGCGTGCTCTTG 2622
          ||| |||||    |  ||||  ||  || | |    |    ||||  || |  || |
Db    703 CTGACCTTCGTGCTGCCCCTGGTCGTCACCCTCTTCTGCTACTGCCGCATCTCGCGCCGC 762

Qy   2623 TACCGAAGGCGGCCGCACCTGGGAGGGGAGCTTGGTGGCCCCCGTGGCTGCAAGCTCGCC 2682
               ||| ||| |||||||| ||||  |||  |   |   | | |   ||  ||   |||||
Db    763 CTGCGACGGCCGCCGCACGTGGGTCGGGCCCGGAGGAACTCGCTGCGCATCATCTTCGCC 822
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Qy   2683 ACAACATGGCTCTTTGTGAGCCTGTGGCTCCTCTACA 2719
Db    823 ATCGAGAGCACGTTTGTGGGCTCCTGGCTGCCCTTCA 859


RESULT 6
US-09-221-017B-993
; Sequence 993, Application US/09221017B
; Patent No. 6444799
;  GENERAL INFORMATION:
;    APPLICANT:  Ross, Bruce C.
;    TITLE OF INVENTION:  P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
;    NUMBER OF SEQUENCES:  1120
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/221,017B
;      FILING DATE:  23-DEC-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PP1182
;      FILING DATE:  31-DEC-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PP1546
;      FILING DATE:  30-JAN-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PP2911
;      FILING DATE:  09-APR-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/AU98/01023
;      FILING DATE:  10-DEC-1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Monroy, Gladys H
;      REGISTRATION NUMBER:  32,430
;      REFERENCE/DOCKET NUMBER:  27340-20021.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  993:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3431 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  circular
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  UNKNOWN
;    ORIGINAL SOURCE:
;      ORGANISM:  PORYPHYROMONAS GINGIVALIS
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  1...3431
US-09-221-017B-993

  Query Match             1.4%;  Score 39.6;  DB 4;  Length 3431;
  Best Local Similarity   51.8%;  Pred. No. 0.48;
  Matches  114;  Conservative    0;  Mismatches  104;  Indels    2;  Gaps    1;

Qy   2297 TTGGGGACCTGGCCTCGCACTTCGGCTGCACCATTGGTCTCAAAGATTCAGTCACAGCTG 2356
Db   1040 TCGTGGACAATGCAGCTATGCTTGCCGGACGCATGGGAGTAAGCGAATCGGTTGTCGCCA 1099

Qy   2357 TTGTTTTCGTGGCATTTGGCACCTCTGTCCCAGATACGTTTGCCAGCAAAGCTGCTGCCC 2416
Db   1100 TCACCATCGTAGCAGGAGGAACTTCCTTGCCCGAATTGGTCACCACCTTAATGGCTGGCA 1159

Qy   2417 TCCAGGATGTATATGCAGACGCCTCCATTGGCAACGTGACGGGCAGCAACGCCGTCAATG 2476
Db   1160 TCAAAGAAG--CGTCCGGGCATGGCCATCGGCAATATCGTAGGTAGCAACCTCTTCAACA 1217

Qy   2477 TCTTCCTGGGCATCGGCCTGGCCTGGTCCGTGGCCGCCAT 2516
Db   1218 TCCTGCTCATCCTCGGAGTCAGTTCGTCCATCAGCCCCAT 1257


RESULT 7
US-09-249-585A-4
; Sequence 4, Application US/09249585A
; Patent No. 6417002
; GENERAL INFORMATION:
;  APPLICANT: Horlick, Robert
;  TITLE OF INVENTION: METHOD FOR MAINTENANCE AND SELECTION OF EPISOMES
;  FILE REFERENCE: 0867/0D905
;  CURRENT APPLICATION NUMBER: US/09/249,585A
;  CURRENT FILING DATE:  1999-02-11
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
;   LENGTH: 1926
;   TYPE: DNA
;   ORGANISM: Epstein Barr Virus
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(1926)
;   OTHER INFORMATION: template strand of EBNA-1 DNA
US-09-249-585A-4

  Query Match             1.4%;  Score 39;  DB 4;  Length 1926;
  Best Local Similarity   44.2%;  Pred. No. 0.51;
  Matches  208;  Conservative    0;  Mismatches  260;  Indels    3;  Gaps    1;

Qy   2172 CGTCATGCACTTCCTGACTGTCTTCTGGAAGGTGCTGTTTGCCTGTGTGCCCCCCACAGA 2231
Db    550 CGTCCTCGTCCTCCTCCCCGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCTCCCCGTCCT 609

Qy   2232 GTACTGCCACGGCTGGGCCTGCTTCGCCGTCTCCATCCTCATCATTGGCATGCTCACCGC 2291
Db    610 CGTCCTCCCCGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCGTCCTCCTCCC 669

Qy   2292 CATCATTGGGGACCTGGCCTCGCACTTCGGCTGCACCATTGGTCTCAAAGATTCAGTCAC 2351
Db    670 CGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCGTCCT 729

Qy   2352 AGCTGTTGTTTTCGTGGCATTTGGCACCTCTGTCCCAGATACGTTTGCCAGCAAAGCTGC 2411
Db    730 CCCCGTCCTCGTCCTCCC---CGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCCCCGTCCT 786

Qy   2412 TGCCCTCCAGGATGTATATGCAGACGCCTCCATTGGCAACGTGACGGGCAGCAACGCCGT 2471
Db    787 CGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCT 846

Qy   2472 CAATGTCTTCCTGGGCATCGGCCTGGCCTGGTCCGTGGCCGCCATCTACTGGGCTCTGCA 2531
Db    847 CCCCGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCCC 906

Qy   2532 GGGACAGGAGTTCCACGTGTCGGCCGGCACACTGGCCTTCTCCGTCACCCTCTTCACCAT 2591
Db    907 CGTCCTCGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCTCCCCGTCCTCGTCCTCCCCGT 966

Qy   2592 CTTTGCATTTGTCTGCATCAGCGTGCTCTTGTACCGAAGGCGGCCGCACCT 2642
Db    967 CCTCGTCCTCCACCTCCGGCCCCAGCTCCTCCGTCACCTCCGGCCCCAGCT 1017


RESULT 8
```

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US-09-130-114-2
; Sequence 2, Application US/09130114
; Patent No. 5976807
; GENERAL INFORMATION:
;  APPLICANT: Horlick, Robert A.
;  APPLICANT: Damaj, Bassam B.
;  APPLICANT: Robbins, Alan K.
;  TITLE OF INVENTION: Eukaryotic Cells Stably Expressing Genes
;  TITLE OF INVENTION: From Multiple Transfected Episomes
;  FILE REFERENCE: 0867/1D903US1
;  CURRENT APPLICATION NUMBER: US/09/130,114
;  CURRENT FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
;   LENGTH: 1931
;   TYPE: DNA
;   ORGANISM: EBNA
US-09-130-114-2

  Query Match             1.4%;  Score 39;  DB 2;  Length 1931;
  Best Local Similarity   44.2%;  Pred. No. 0.51;
  Matches  208;  Conservative    0;  Mismatches  260;  Indels    3;  Gaps    1;

Qy   2172 CGTCATGCACTTCCTGACTGTCTTCTGGAAGGTGCTGTTTGCCTGTGTGCCCCCCACAGA 2231
          |||| |   | ||||  | ||| ||        | |   |   |    | | ||||
Db    550 CGTCCTCGTCCTCCTCCCCGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCTCCCCGTCCT 609

Qy   2232 GTACTGCCACGGCTGGGCCTGCTTCGCCGTCTCCATCCTCATCATTGGCATGCTCACCGC 2291
            |  || || |    ||  | || |||||  | |||||  | |   | | |||  | |
Db    610 CGTCCTCCCCGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCGTCCTCCTCCC 669

Qy   2292 CATCATTGGGGACCTGGCCTCGCACTTCGGCTGCACCATTGGTCTCAAAGATTCAGTCAC 2351
          | || |    | |||  ||   | | ||  |  |  | | |  |||   |     |||
Db    670 CGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCGTCCT 729

Qy   2352 AGCTGTTGTTTTCGTGGCATTTGGCACCTCTGTCCCAGATACGTTTGCCAGCAAAGCTGC 2411
            | ||  |  || |  |    | |  | | ||||  |        | |  |   |
Db    730 CCCCGTCCTCGTCCTCCC---CGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCCCCGTCCT 786

Qy   2412 TGCCCTCCAGGATGTATATGCAGACGCCTCCATTGGCAACGTGACGGGCAGCAACGCCGT 2471
            | |||||  |   |    |    || |  | |   |  | |  | | |  |  | | |
Db    787 CGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCT 846

Qy   2472 CAATGTCTTCCTGGGCATCGGCCTGGCCTGGTCCGTGGCCGCCATCTACTGGGCTCTGCA 2531
          |   ||| |||  | | ||| |||  ||     |   | |  | ||  |   |  || |
Db    847 CCCCGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCCCGTCCTCCC 906

Qy   2532 GGGACAGGAGTTCCACGTGTCGGCCGGCACACTGGCCTTCTCCGTCACCCTCTTCACCAT 2591
            |  |  |   ||| |||     ||| |     |   | || |||||  | || || || |
Db    907 CGTCCTCGTCCTCCCCGTCCTCCCCGTCCTCGTCCTCCTCCCCGTCCTCGTCCTCCCCGT 966

Qy   2592 CTTTGCATTTGTCTGCATCAGCGTGCTCTTGTACCGAAGGCGGCCGCACCT 2642
          | | |   |   | |     |  |||| |    |     ||||| || ||
Db    967 CCTCGTCCTCCACCTCCGGCCCCAGCTCCTCCGTCACCTCCGGCCCCAGCT 1017


RESULT 9
US-08-762-106-5/c
; Sequence 5, Application US/08762106
; Patent No. 5948677
;  GENERAL INFORMATION:
;    APPLICANT:  Jarvik, Jonathan W.
;    TITLE OF INVENTION:  READING FRAME INDEPENDENT EPITOPE
;    TITLE OF INVENTION:  TAGGING
;    NUMBER OF SEQUENCES:  47
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Harris Brotman
;      STREET:  202 Coast Blvd., Suite 111
;      CITY:  La Jolla
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/762,106
;      FILING DATE:  09-DEC-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brotman, Harris F.
;      REGISTRATION NUMBER:  35,461
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 654-2428
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1548 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-762-106-5

  Query Match             1.4%;  Score 38.6;  DB 2;  Length 1548;
  Best Local Similarity   52.9%;  Pred. No. 0.59;
  Matches   83;  Conservative    0;  Mismatches   74;  Indels    0;  Gaps    0;

Qy   2436 CGCCTCCATTGGCAACGTGACGGGCAGCAACGCCGTCAATGTCTTCCTGGGCATCGGCCT 2495
          | || ||    ||  | || |  |||||  ||||  ||   |   |    ||  || ||
Db   1053 CACCGCCTCCAGCTCCTTGCCTTGCAGCTCCGCCTCCATCTTGGCCTGCCGCTCCGCCCA 994

Qy   2496 GGCCTGGTCCGTGGCCGCCATCTACTGGGCTCTGCAGGGACAGGAGTTCCACGTGTCGGC 2555
          ||| |   |||||||||||| |      |||  ||   |    || | | |   || | ||
Db    993 GGCGTCCACCGTGGCCGCCGTGCTGGCGGCCTTGTCCGCCAGGGTGCTGCGATTGGCTGC 934

Qy   2556 CGGCACACTGGCCTTCTCCGTCACCCTCTTCACCATC 2592
          | || |   |||  |||  ||||  |||  ||| |
Db    933 CAGCGCCGCCGCCGCGTCCTCCACCAGCTTGTCCACC 897


RESULT 10
US-09-320-774-5/c
; Sequence 5, Application US/09320774
; Patent No. 6265545
;  GENERAL INFORMATION:
;    APPLICANT:  Jarvik, Jonathan W.
;    TITLE OF INVENTION:  READING FRAME INDEPENDENT EPITOPE
;    TITLE OF INVENTION:  TAGGING
;    NUMBER OF SEQUENCES:  47
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Harris Brotman
;      STREET:  202 Coast Blvd., Suite 111
;      CITY:  La Jolla
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/320,774
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/762,106
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brotman, Harris F.
;      REGISTRATION NUMBER:  35,461
```

```
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 654-2428
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1548 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-320-774-5

  Query Match             1.4%;  Score 38.6;  DB 4;  Length 1548;
  Best Local Similarity   52.9%;  Pred. No. 0.59;
  Matches   83;  Conservative    0;  Mismatches   74;  Indels    0;  Gaps    0;

Qy   2436 CGCCTCCATTGGCAACGTGACGGGCAGCAACGCCGTCAATGTCTTCCTGGGCATCGGCCT 2495
          | || ||    ||  | || |  |||||  ||||  ||   |   |    ||  || ||
Db   1053 CACCGCCTCCAGCTCCTTGCCTTGCAGCTCCGCCTCCATCTTGGCCTGCCGCTCCGCCCA 994

Qy   2496 GGCCTGGTCCGTGGCCGCCATCTACTGGGCTCTGCAGGGACAGGAGTTCCACGTGTCGGC 2555
          ||| |   ||||||||||| |      |||  ||   |    || | | |   || | ||
Db    993 GGCGTCCACCGTGGCCGCCGTGCTGGCGGCCTTGTCCGCCAGGGTGCTGCGATTGGCTGC 934

Qy   2556 CGGCACACTGGCCTTCTCCGTCACCCTCTTCACCATC 2592
          | || |    |||   |||  ||||  |||  ||| |
Db    933 CAGCGCCGCCGCCGCGTCCTCCACCAGCTTGTCCACC 897


RESULT 11
US-08-762-106-6/c
; Sequence 6, Application US/08762106
; Patent No. 5948677
;  GENERAL INFORMATION:
;    APPLICANT:  Jarvik, Jonathan W.
;    TITLE OF INVENTION:  READING FRAME INDEPENDENT EPITOPE
;    TITLE OF INVENTION:  TAGGING
;    NUMBER OF SEQUENCES:  47
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Harris Brotman
;      STREET:  202 Coast Blvd., Suite 111
;      CITY:  La Jolla
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/762,106
;      FILING DATE:  09-DEC-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brotman, Harris F.
;      REGISTRATION NUMBER:  35,461
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 654-2428
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1581 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-762-106-6

  Query Match             1.4%;  Score 38.6;  DB 2;  Length 1581;
  Best Local Similarity   52.9%;  Pred. No. 0.6;
  Matches   83;  Conservative    0;  Mismatches   74;  Indels    0;  Gaps    0;

Qy   2436 CGCCTCCATTGGCAACGTGACGGGCAGCAACGCCGTCAATGTCTTCCTGGGCATCGGCCT 2495
          | || ||    ||  | || |  |||||  ||||  ||   |   |    ||  || ||
Db   1086 CACCGCCTCCAGCTCCTTGCCTTGCAGCTCCGCCTCCATCTTGGCCTGCCGCTCCGCCCA 1027

Qy   2496 GGCCTGGTCCGTGGCCGCCATCTACTGGGCTCTGCAGGGACAGGAGTTCCACGTGTCGGC 2555
          ||| |   ||||||||||| |      |||  ||   |    || | | |   || | ||
Db   1026 GGCGTCCACCGTGGCCGCCGTGCTGGCGGCCTTGTCCGCCAGGGTGCTGCGATTGGCTGC 967

Qy   2556 CGGCACACTGGCCTTCTCCGTCACCCTCTTCACCATC 2592
          | || |    |||   |||  ||||  |||  ||| |
Db    966 CAGCGCCGCCGCCGCGTCCTCCACCAGCTTGTCCACC 930


RESULT 12
US-09-320-774-6/c
; Sequence 6, Application US/09320774
; Patent No. 6265545
;  GENERAL INFORMATION:
;    APPLICANT:  Jarvik, Jonathan W.
;    TITLE OF INVENTION:  READING FRAME INDEPENDENT EPITOPE
;    TITLE OF INVENTION:  TAGGING
;    NUMBER OF SEQUENCES:  47
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Harris Brotman
;      STREET:  202 Coast Blvd., Suite 111
;      CITY:  La Jolla
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/320,774
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/762,106
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brotman, Harris F.
;      REGISTRATION NUMBER:  35,461
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 654-2428
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1581 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-320-774-6

  Query Match             1.4%;  Score 38.6;  DB 4;  Length 1581;
  Best Local Similarity   52.9%;  Pred. No. 0.6;
  Matches   83;  Conservative    0;  Mismatches   74;  Indels    0;  Gaps    0;

Qy   2436 CGCCTCCATTGGCAACGTGACGGGCAGCAACGCCGTCAATGTCTTCCTGGGCATCGGCCT 2495
          | || ||    ||  | || |  |||||  ||||  ||   |   |    ||  || ||
Db   1086 CACCGCCTCCAGCTCCTTGCCTTGCAGCTCCGCCTCCATCTTGGCCTGCCGCTCCGCCCA 1027

Qy   2496 GGCCTGGTCCGTGGCCGCCATCTACTGGGCTCTGCAGGGACAGGAGTTCCACGTGTCGGC 2555
          ||| |   ||||||||||| |      |||  ||   |    || | | |   || | ||
Db   1026 GGCGTCCACCGTGGCCGCCGTGCTGGCGGCCTTGTCCGCCAGGGTGCTGCGATTGGCTGC 967

Qy   2556 CGGCACACTGGCCTTCTCCGTCACCCTCTTCACCATC 2592
          | || |    |||   |||  ||||  |||  ||| |
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Db    966 CAGCGCCGCCGCCGCGTCCTCCACCAGCTTGTCCACC 930


RESULT 13
US-09-310-463-3/c
; Sequence 3, Application US/09310463A
; Patent No. 6384203
; GENERAL INFORMATION:
;  APPLICANT: Cosman, David J.
;  APPLICANT: Anderson, Dirk M.
;  APPLICANT: Borges, Luis
;  TITLE OF INVENTION: Family of Immunoregulators Designated Leukocyte Immunoglobulin-
;  TITLE OF INVENTION: Like Receptors (LIR)
;  FILE REFERENCE: 2624-A
;  CURRENT APPLICATION NUMBER: US/09/310,463A
;  CURRENT FILING DATE: 1999-05-12
;  EARLIER APPLICATION NUMBER: 08/842,248
;  EARLIER FILING DATE: 1997-04-24
;  NUMBER OF SEQ ID NOS: 39
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 2777
;   TYPE: DNA
;   ORGANISM: human
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (168)..(2126)
US-09-310-463-3

  Query Match             1.4%;  Score 38.4;  DB 4;  Length 2777;
  Best Local Similarity   49.0%;  Pred. No. 0.94;
  Matches  102;  Conservative    0;  Mismatches  106;  Indels    0;  Gaps    0;

Qy   1303 ACAGAGGATGGTTCTGCCAATGCAGGGGCTGACTATGAGTTCACAGAGGGCACGGTGGTT 1362
          ||||||  |||||| ||| |    | ||          || | | |   |||||  |||
Db    280 ACAGAGCCTGGTTCAGCCCAGAGGGTGGGCTTGGGGAGGTGCCCTGCCTGCACGTGGGTC 221

Qy   1363 CTGAAGCCAGGAGAGACCCAGAAGGAGTTCTCCGTGGGCATAATTGATGACGACATTTTT 1422
          |||  |||  ||   | || ||   || ||      |  |  || |  | |      | |
Db    220 CTGGGGCCCAGACTCAGCCCGAGACAGATCAGGACCGTGAGGATGGGGGTCATGGCGTCT 161

Qy   1423 GAGGAGGATGAACACTTCTTTGTAAGGTTGAGCAATGTCCGCATAGAGGAGGAGCAGCCA 1482
                ||  |   ||| || | || |||||  |    |||| |  |  |  |  |||
Db    160 CCTCCCACTGCCCTGCTCTGTGGATGGATGAGCCCTCGGTGCATGGCAGTCGTCCCTCCA 101

Qy   1483 GAGGAGGGGATGCCTCCAGCAATATTCA 1510
          |    || ||||| ||  | || |  ||
Db    100 GCCCTGGAGATGCTTCAGGGAAGACCCA 73


RESULT 14
US-08-842-248A-3/c
; Sequence 3, Application US/08842248A
; Patent No. 6448035
;  GENERAL INFORMATION:
;    APPLICANT:  Cosman, David J.
;    TITLE OF INVENTION:  Family of Immunoregulators Designated
;    TITLE OF INVENTION:  Leukocyte Immunoglobulin-Like Receptors (LIR)
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Janis C. Henry, Immunex Corporation
;      STREET:  51 University Street
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  US
;      ZIP:  98101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM/PC Compatible
;      OPERATING SYSTEM:  Microsoft Word 7.0
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/842,248A
;      FILING DATE:  April 24, 1997
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Henry, Janis C.
;      REGISTRATION NUMBER:  34,347
;      REFERENCE/DOCKET NUMBER:  2624
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 587-0430
;      TELEFAX:  (206) 233-0644
;      TELEX:  756822
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2777 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    IMMEDIATE SOURCE:
;      LIBRARY:  18a3
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  168..2123
US-08-842-248A-3

  Query Match             1.4%;  Score 38.4;  DB 4;  Length 2777;
  Best Local Similarity   49.0%;  Pred. No. 0.94;
  Matches  102;  Conservative    0;  Mismatches  106;  Indels    0;  Gaps    0;

Qy   1303 ACAGAGGATGGTTCTGCCAATGCAGGGGCTGACTATGAGTTCACAGAGGGCACGGTGGTT 1362
          ||||||  |||||| ||| |    | ||          || | | |   |||||  |||
Db    280 ACAGAGCCTGGTTCAGCCCAGAGGGTGGGCTTGGGGAGGTGCCCTGCCTGCACGTGGGTC 221

Qy   1363 CTGAAGCCAGGAGAGACCCAGAAGGAGTTCTCCGTGGGCATAATTGATGACGACATTTTT 1422
          |||  |||  ||   | || ||   || ||      |  |  || |  | |      | |
Db    220 CTGGGGCCCAGACTCAGCCCGAGACAGATCAGGACCGTGAGGATGGGGGTCATGGCGTCT 161

Qy   1423 GAGGAGGATGAACACTTCTTTGTAAGGTTGAGCAATGTCCGCATAGAGGAGGAGCAGCCA 1482
                ||  |   ||| || | || |||||  |    |||| |  |  |  |  |||
Db    160 CCTCCCACTGCCCTGCTCTGTGGATGGATGAGCCCTCGGTGCATGGCAGTCGTCCCTCCA 101

Qy   1483 GAGGAGGGGATGCCTCCAGCAATATTCA 1510
          |    || ||||| ||  | || |  ||
Db    100 GCCCTGGAGATGCTTCAGGGAAGACCCA 73


RESULT 15
US-09-428-517-1
; Sequence 1, Application US/09428517
; Patent No. 6251636
; GENERAL INFORMATION:
;  APPLICANT: Betlach, Mary C.
;  APPLICANT: Shah, Sanjay Krishnakant
;  APPLICANT: McDaniel, Robert
;  APPLICANT: Tang, Li
;  TITLE OF INVENTION: RECOMBINANT OLEANDOLIDE POLYKETIDE SYNTHASE
;  FILE REFERENCE: 30062-20029.00
;  CURRENT APPLICATION NUMBER: US/09/428,517
;  CURRENT FILING DATE: 1999-10-28
;  EARLIER APPLICATION NUMBER: 60/120,254
;  EARLIER FILING DATE: 1999-02-16
;  EARLIER APPLICATION NUMBER: 60/106,100
;  EARLIER FILING DATE: 1998-10-29
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 50937
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artifical Sequence: Recombinant DNA
US-09-428-517-1

  Query Match             1.4%;  Score 38.4;  DB 4;  Length 50937;
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Best Local Similarity 47.8%; Pred. No. 4.9;
Matches 111; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

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Qy   2049 GGCCTTGGTTGTGGGGACCCATTCCTGGAGGGACCAGTTCATGGAGGCCATCACCGTCAG 2108
          || | |    | || |    |  ||  |   ||||    |  |||||||  | ||  |
Db    595 GGACGTACCCGCGGTGCAGGACCCCACGGCCGACCGCGGCGAGGAGGCCGCCGCCCCCGC 654

Qy   2109 TGCAGCAGGGGATGAGGATGAGGATGAATCCGGGGAGGAGAGGCTGCCCTCCTGCTTTGA 2168
           |   | ||||| |  || |||| ||      |  |||||  | |||     || |||
Db    655 GGGGACCGGGGACGCCGAGGAGGGTGCCGAGGCCGAGGACGGCCTGGTGCGCTTCTTCAC 714

Qy   2169 CTACGTCATGCACTTCCTGACTGTCTTCTGGAAGGTGCTGTTTGCCTGTGTGCCCCCCAC 2228
          |    ||  |  |||||||   |    | ||  ||        |||   | |  || ||
Db    715 CCGGCTCTCGGCCTTCCTGGAGGAGCACGGGGTGGACACCCCGGCCACCGAGTTCCTCAT 774

Qy   2229 AGAGTACTGCCACGGCTGGGCCTGCTTCGCCGTCTCCATCCTCATCATTGGC 2280
          | |  |  || | ||   | | ||| |  ||   |   ||  ||||  |||
Db    775 CGCGCCCAACCGCTGCATCGTCGGCTGCCGCGCACCTTCCCAGATCAAGGGC 826
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Search completed: November 30, 2002, 13:01:06
Job time : 2282 secs